

Y4YZ Format

Y U Y V...

FIG. 1A

1104

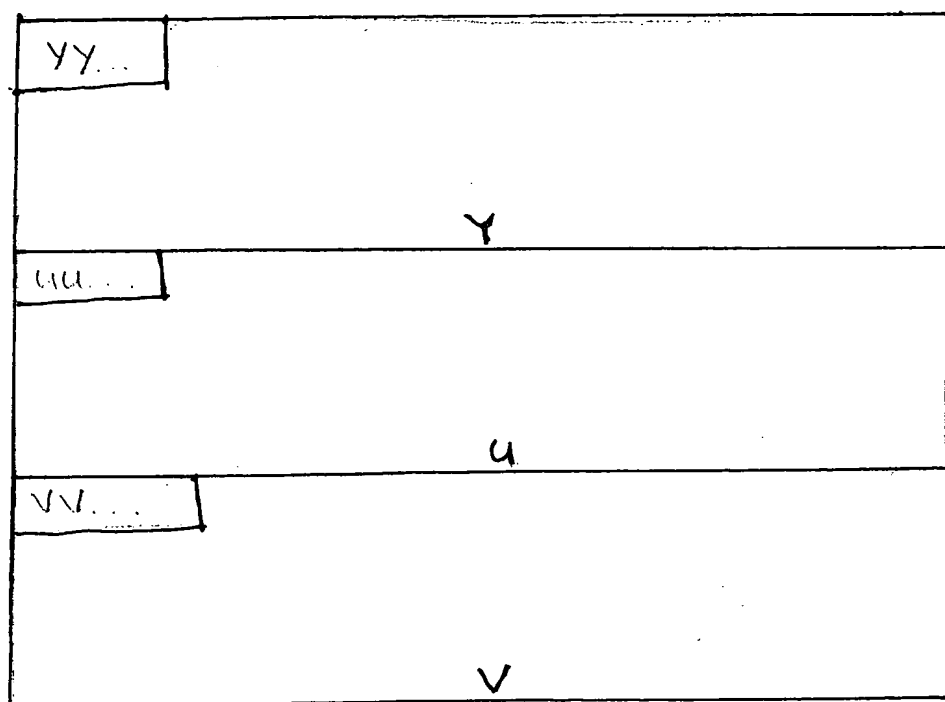


FIG 1

120

LUMA (Y)
352 x 240

122
Chroma (u)
176 x 120

124

Chroma (V)
176 x 120

FIG. 2A

130

LUMA (Y)
352 x 240

132

Chroma (U)
176 x 240

134

Chroma (✓)
176 x 240

FIG 2B

140

LUMA (Y)
352 x 240

142

CHROMA (U)
352 x 240

144

CHROMA (✓)
352 x 240

CHROMA (✓)
352 x 240

FIG. 2C

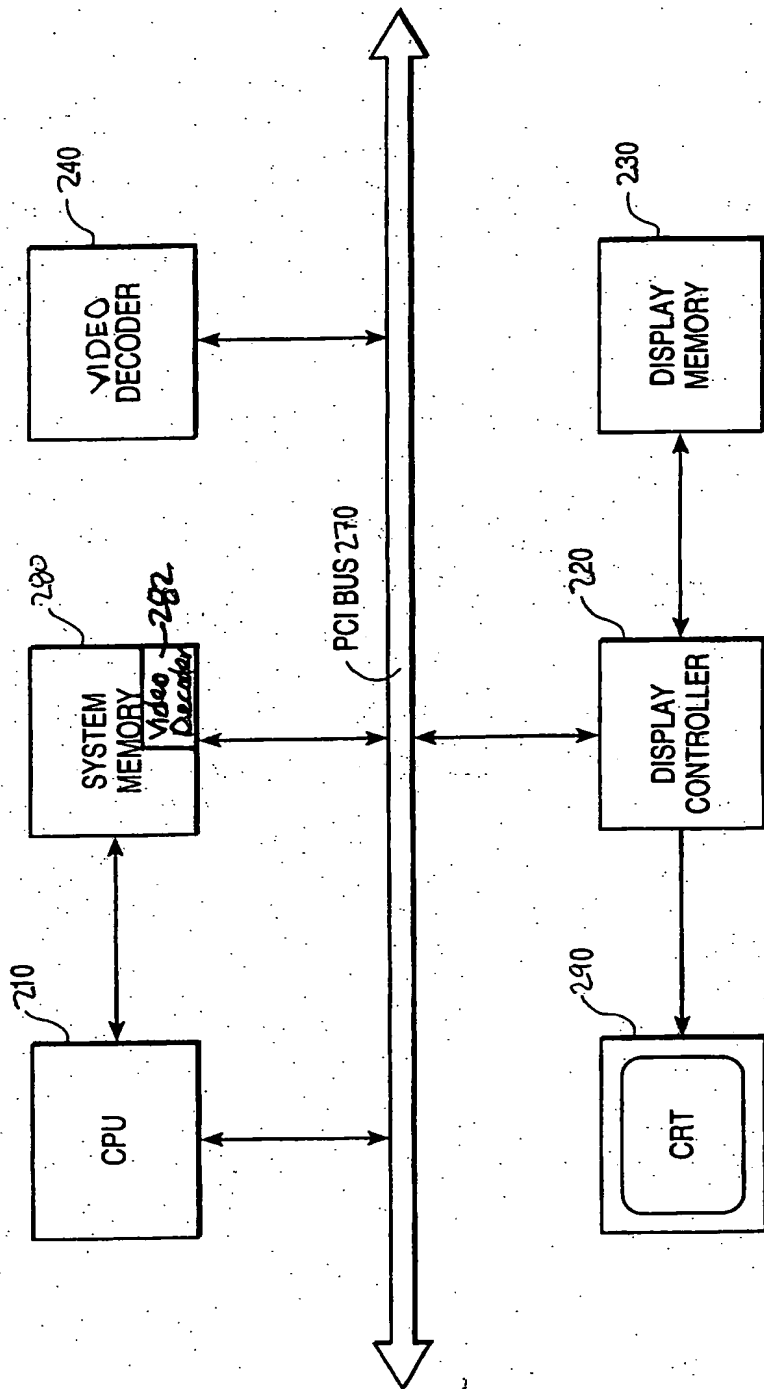
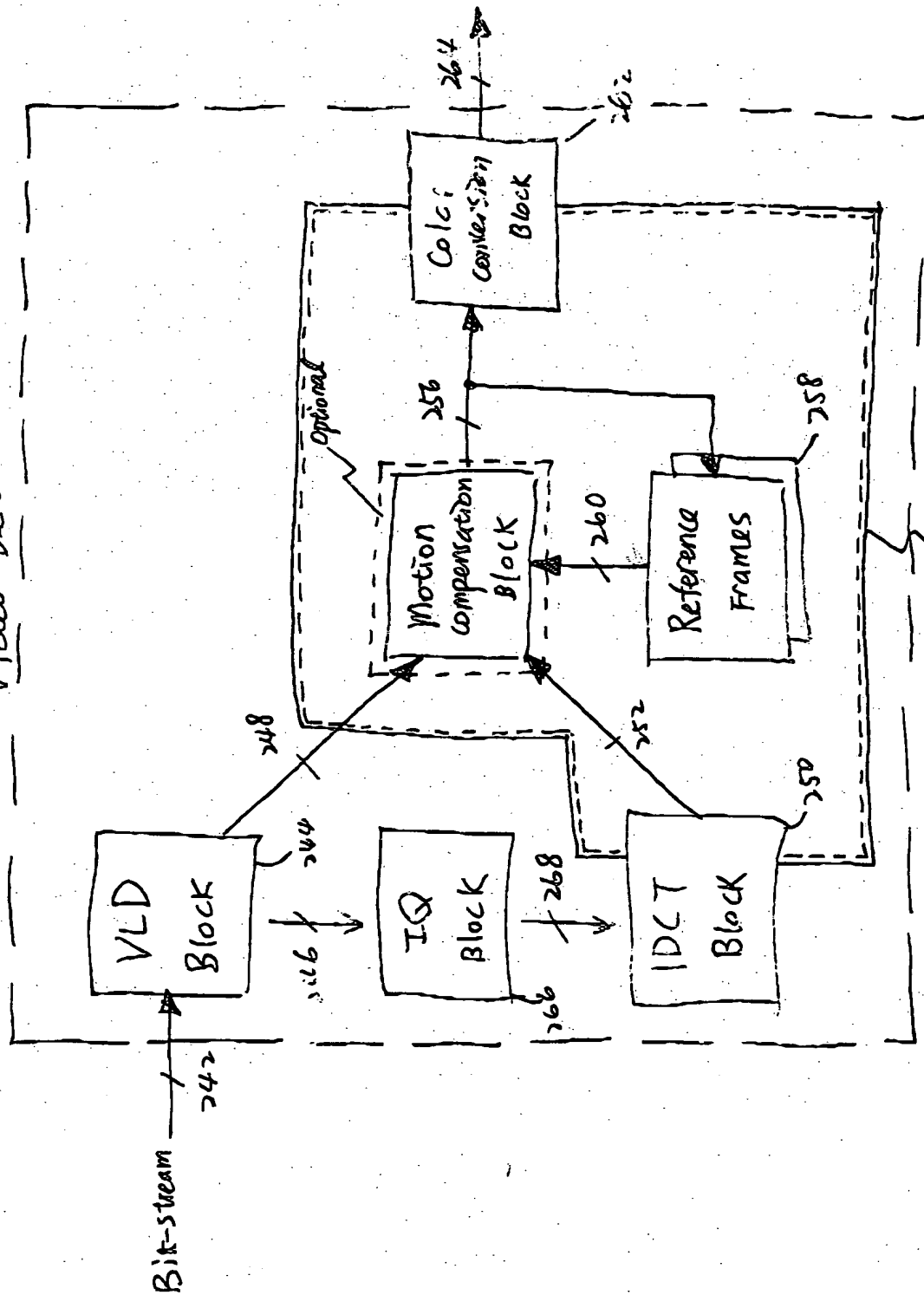


FIG. 3
(PRIOR ART)

200

Video Decoder 240



where is our invention used in one of the embodiments

Fig 4

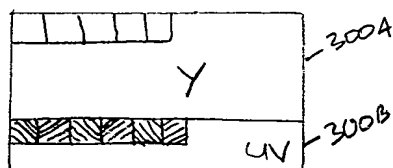
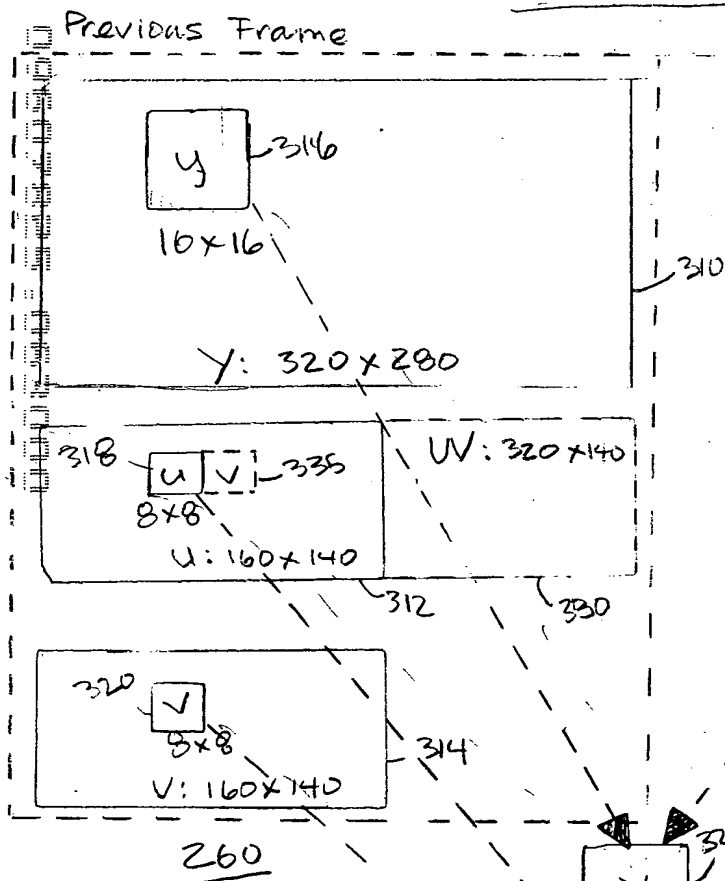
Mixed Plate and
Packed Format 300

FIG. 5C

FIG. 5B

Previous Frame



FILE 64

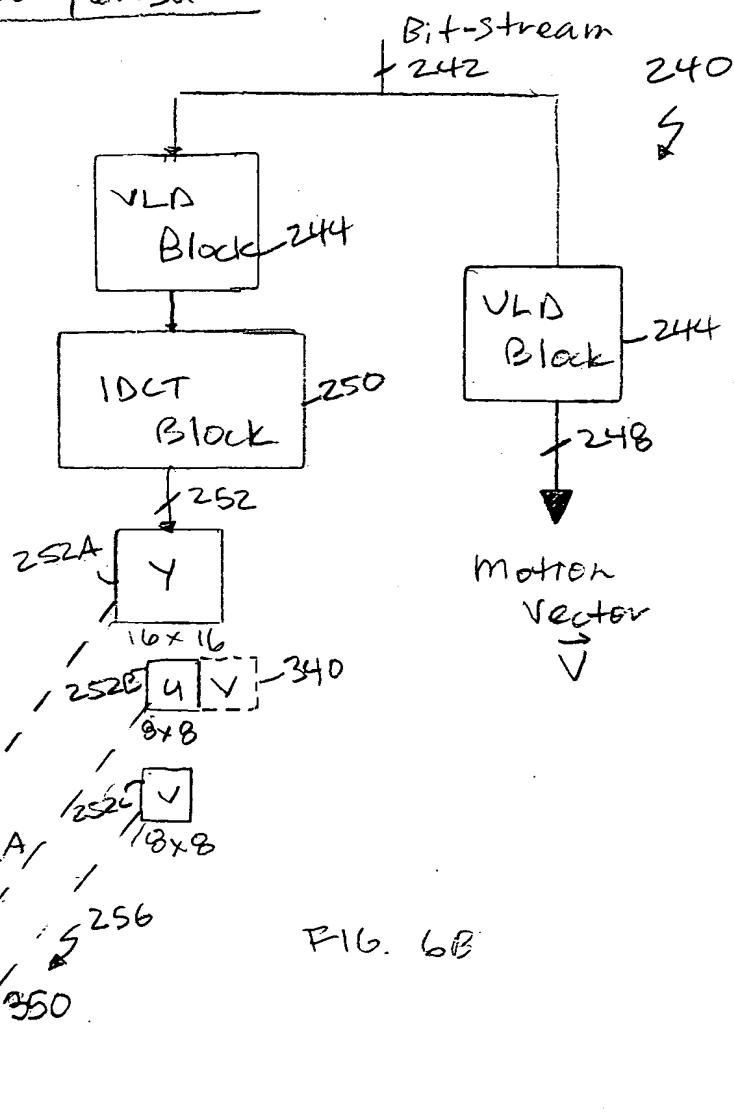


FIG. 6B

4004

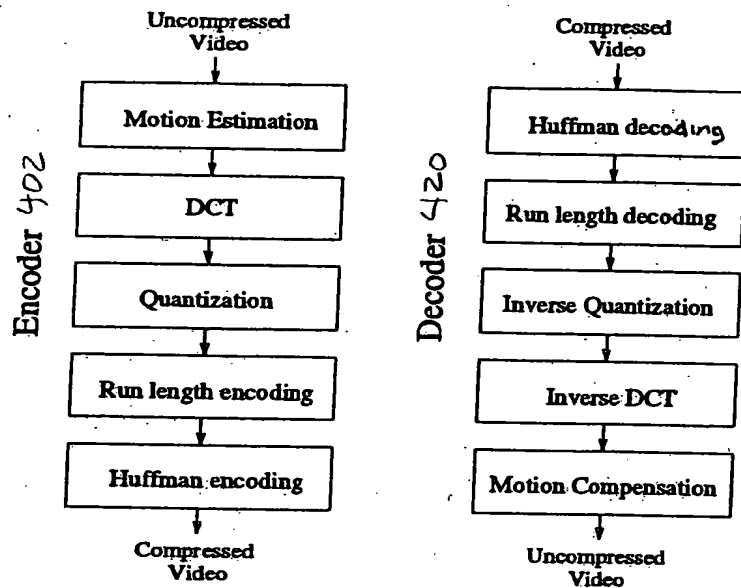


FIG. 7A

Video encoder 450

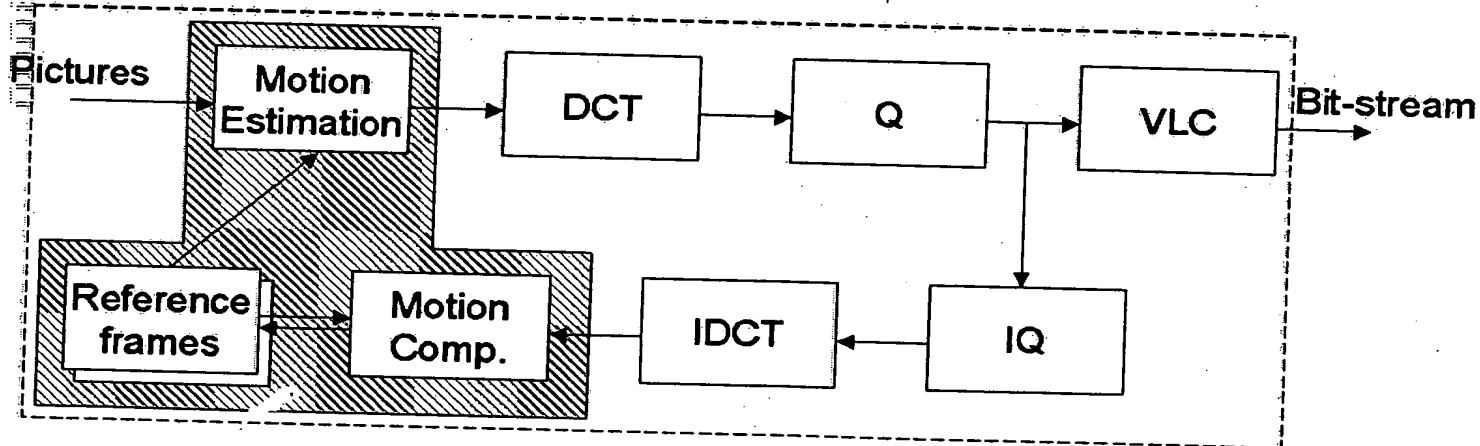
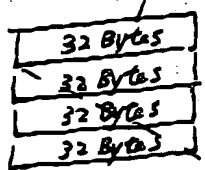


FIG. 7B

WC Regions



Line 1
Line 2
Line 3

504
506

Video Frame Buffer

Cached Region

WC Region

Uncached Region

502

Figure 8 WC frame buffer

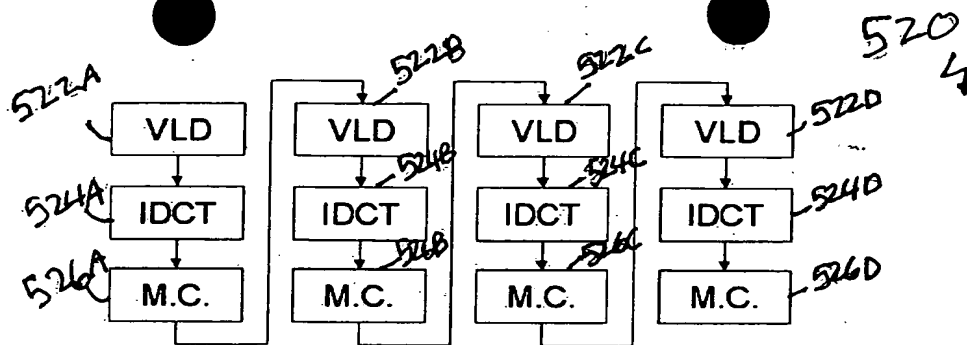


FIG. 9

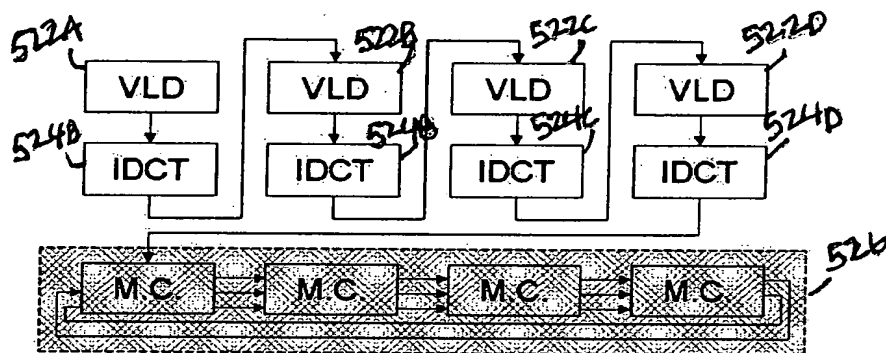


FIG. 10

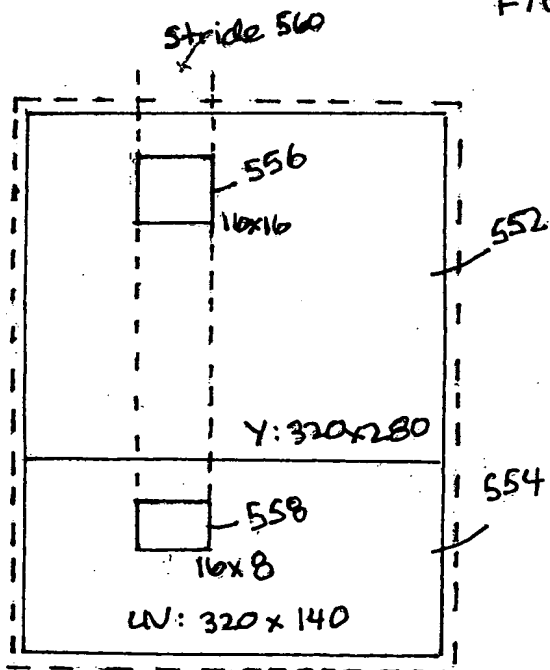


Image Frame 550

FIG. 11A

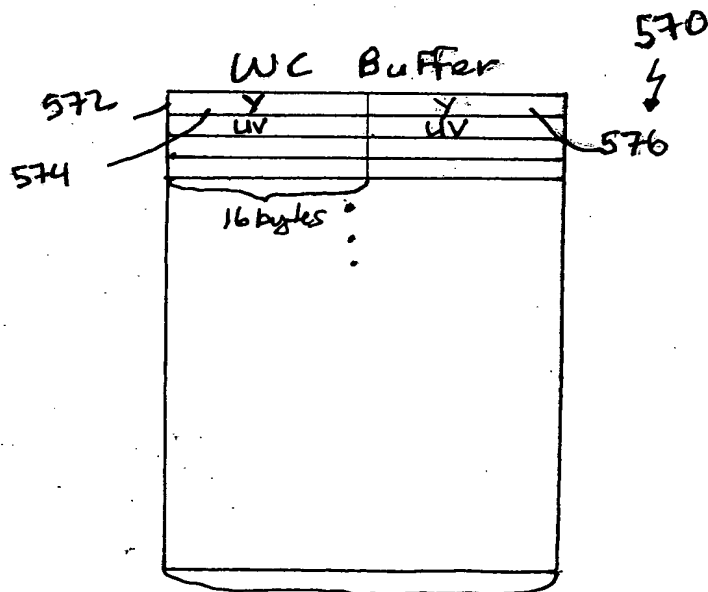


FIG. 11B

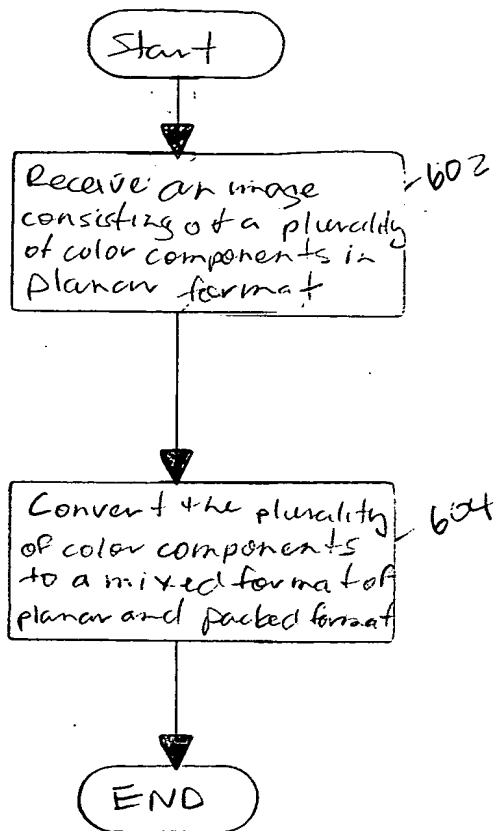


FIG. 12

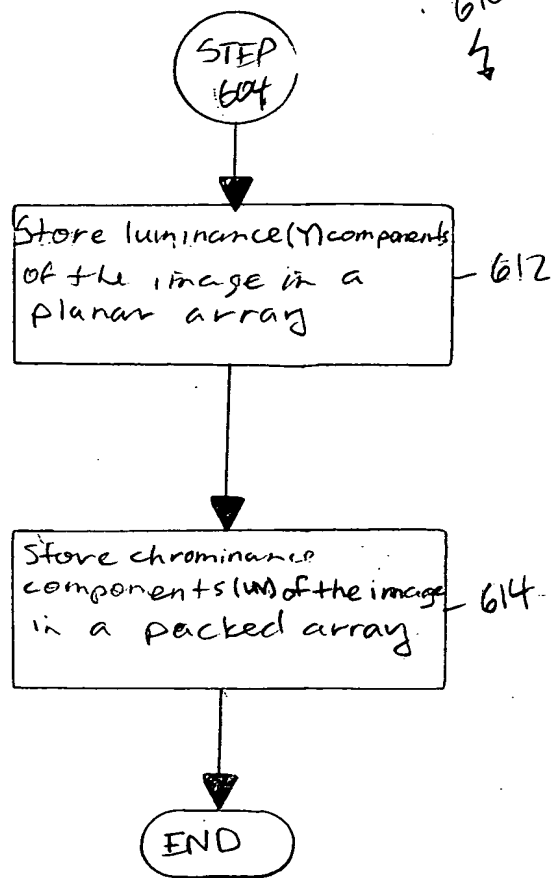


FIG. 13

620
4

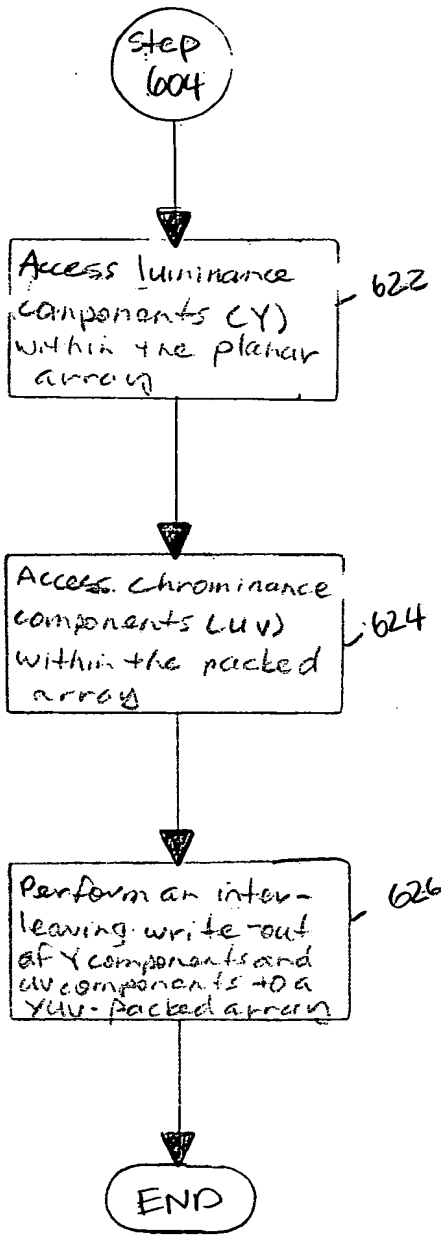
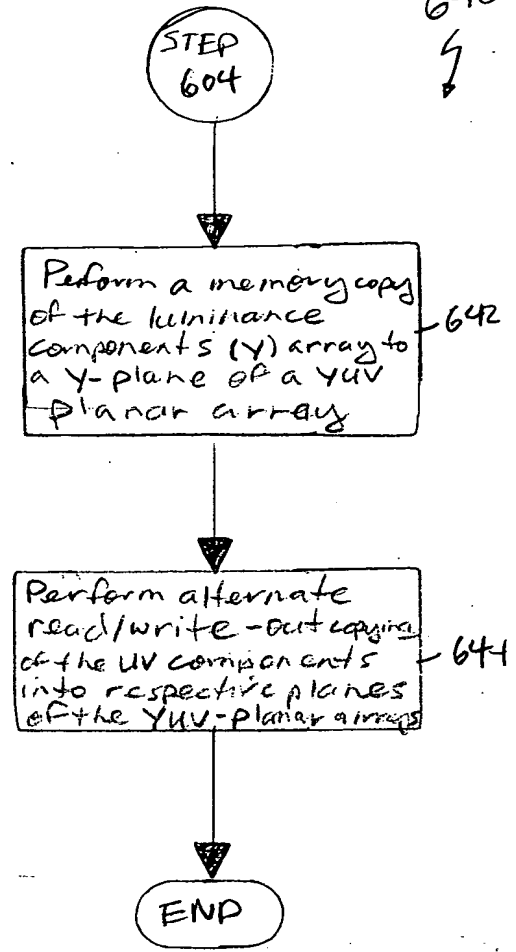


FIG. 14

640
↓



F16 15

